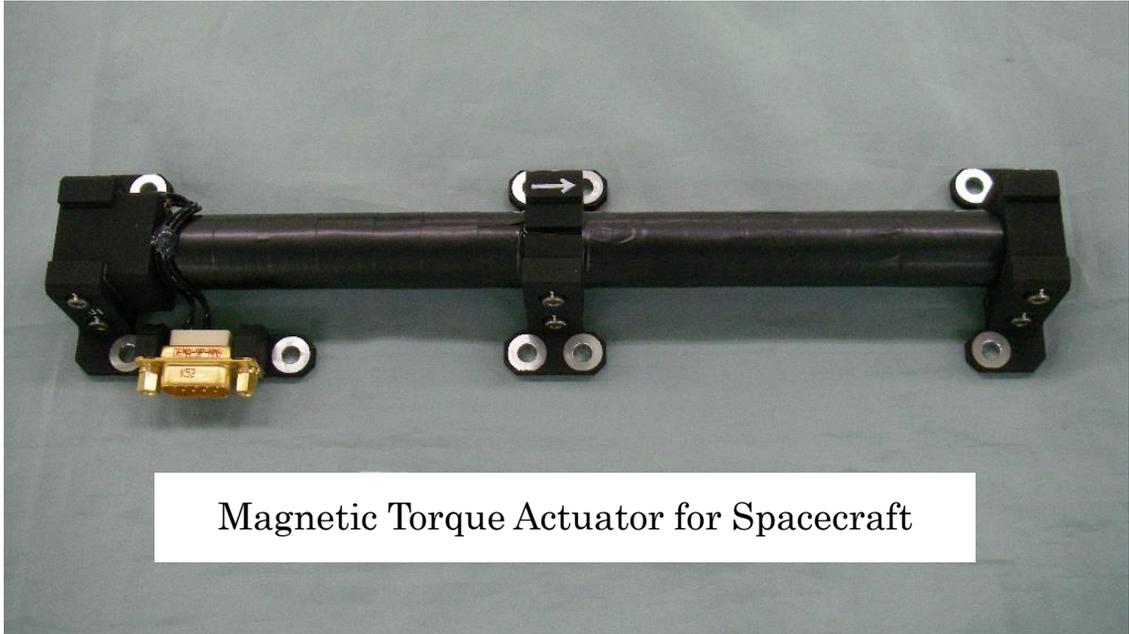


Magnetic Torque Actuator for Spacecraft



Outline

The magnetic torque actuator is an equipment to control spacecraft attitude due to the effects of the geomagnetic field.

Heritage:

JAXA Small Demonstration Satellite (SDS-1, SDS-4)
Universities-developed small satellites

Features

- Compact, lightweight and low power consumption design
- Specifications will be customized to meet the requirements.

Functions

A driving source of the equipment provides the magnetic moment. The effects of the geomagnetic field on the magnetic moment generate the torque which makes it possible to control the spacecraft attitude.

* This product was developed with the support of JAXA (Japan Aerospace Exploration Agency)

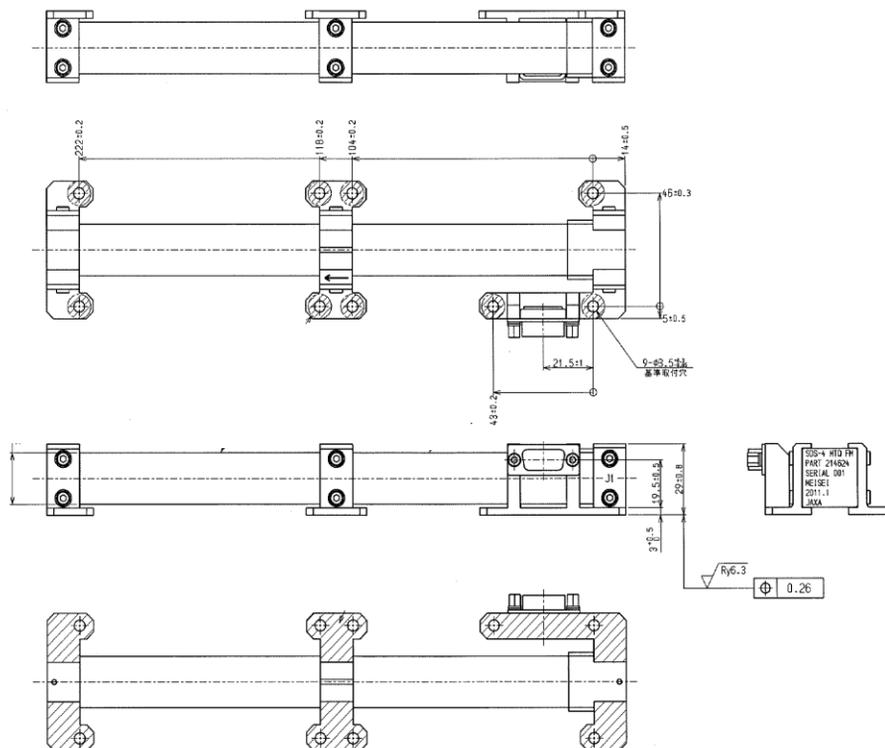
* Note that, with due to the rights of other relevant parties and/or depending on usage, application and/or delivery place, the product may not be sold, commercially distributed, leased or included in a part of product or system which intends to receive benefits through the inclusion of the product.

Specifications

Output magnetic moment	12A ^m
Power supply voltage	15V
Power consumption	1W or less
Dimension	250mm × 56mm × 29mm
Mass	500g or less
Operating temperature range	-30 to +60°C

* The specifications will be tailored to suit your needs.

Outer Shape Drawing



Caution

- Specifications and designs are subject to change without notice.
- Specifications and designs are based on the standard model. Please contact us regarding further customization to suit your project's needs.
- This product may be subject to the application of the Foreign Exchange and Foreign Trade Act and other related laws and regulations in Japan. Customer agrees to comply with such regulations and acknowledges that it is their responsibility to obtain any required licenses to export, re-export, or import this product.
- We shall not be liable for any damages arising out of or in connection with the use of specifications herein, including liability for lost profit, business interruption, or any other damages whatsoever.
- The printed colors may appear difficult from the actual product.

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